



## XSR™ 1800 Series Security Router for Branch Offices

- Lightning-fast security router with multiple expansion options
- Integrated IP routing, VPN and firewall—in one device
- Easily upgradeable to meet future requirements
- Best-in-class price and performance

- **Dual 10/100 LAN interfaces, IP routing, QoS and WAN functionality in one device**

- Provides non-stop, high-performance local and wide area networking

- **Standalone or rack-mountable design with optional power supply redundancy**

- High-availability options for mission-critical branch office installations

- **High-performance VPN with Hardware Accelerator**

- Extranet, site-to-site and remote access VPN technologies
- IPSec hardware acceleration for high-security VPN

- **Policy-managed stateful inspection firewall**

- Secures your offices from Internet threats
- Designed to integrate with award-winning Dragon™ Intrusion Defense and to support SIP-enabled next-generation messaging technologies

- **Powerful, intuitive management**

- Supports industry-standard Command Line Interface, SNMP integration, and NetSight™ Atlas management
- Easy deployment with remote configuration, monitoring and management
- Front-panel LED status indicators, out-of-band management interface, and recessed Restore Factory Default switch for easy on-site diagnostics

### High-Performance Secure Networking

Combining lightning-fast IP routing with multiple security applications and high availability—all at a market-leading price—the XSR 1800 Series delivers big features and performance in a compact box. Designed especially for site-to-site and remote access connectivity, this flexible platform includes dual Fast Ethernet LAN interfaces, VPN hardware acceleration, stateful deep-packet inspection firewall, and a broad range of WAN interfaces.

The **XSR-1805** delivers a robust 50k PPS, 100 Mbps IPSec/3DES encryption and a 180 Mbps stateful inspection firewall. The rack-mountable **XSR-1850** offers superior router throughput, 200 concurrent IPSec/3DES VPN tunnels, stateful inspection firewall plus optional power supply and fan redundancy. Powerful management and configuration tools—including industry-standard Command Line Interface, SNMP integration and client/server Java application management support—provide extensive remote monitoring and diagnostic capabilities, critical in environments without on-site networking expertise.

The standards-based XSR 1800 Series offers a future-proof design to accommodate evolving security, QoS and connectivity needs. Unlike typical WAN routers, the XSR Security Router provides best-of-breed security and maintains performance when features are enabled. And, unlike typical security appliances, the XSR provides extensive IP routing and Quality of Service (QoS) on a wide range of WAN interfaces.

The XSR Security Routers set industry-leading price/performance benchmarks for networking with IP routing, VPN and firewall available at a significant price advantage over the competition. In addition, the XSR WAN modules are shared across multiple Enterasys platforms, leveraging your investment and simplifying deployment scenarios.

### Two Options for Branch Office Deployments

An entry-level, low-cost modular router in a desktop form factor, the **XSR-1805** delivers powerful performance and features to address the WAN, VPN and firewall needs of remote offices for enterprise organizations. As a VPN gateway, the XSR-1805 enables 50 tunnels (upgradeable to 200), supporting site-to-site and remote access applications.

Delivering 60k PPS performance, a modular, rackmount form factor, and the option for redundant power, the **XSR-1850** is ideal to support mission-critical applications extending to the branch office. The XSR-1850 enables 200 VPN tunnels (upgradeable to 1,000), supporting site-to-site and remote access applications.

Both the XSR-1805 and XSR-1850 protect the Internet perimeter with a high-performance stateful inspection, deep-packet firewall.

## Specifications

### Technical Specifications

---

#### MTBF (predicted)

>77,000 hrs

#### In-Band Management

Remote SNMP via NetSight Atlas

#### Authenticated Tunnels

XSR-1850: 200 (expandable to 1,000)

XSR-1805: 50 (expandable to 200)

### Physical Specifications

---

#### XSR-1850

##### Dimensions

25.4 cm (10") L x 43.1 cm (17") W x 5.0 cm (2.0") H

##### Weight

4.08 kg (9 lbs)

#### XSR-1805

35.6 cm (14") L x 25.4 cm (10") W x 2.5 cm (6.4") H

##### Weight

3.18 kg (7 lbs)

### Environmental Specifications

---

#### Operating Temperature

0° C to +40° C (+32° F to 104° F)

#### Non-Operating Temperature

-40° C to +70° C (-40° F to 158° F)

#### Operating Humidity

5% to 90% (non-condensing)

#### Power Consumption

Total Power (100 to -240 Volts) 25 W

### Agency and Standards Specifications

---

#### Safety

UL 60950, CSA 60950, EN 60950, EN 60825 and IEC 60950

#### Electromagnetic Compatibility (EMC)

47 CFR Parts 2 and 15, CSA C108.8, EN 555022, EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, and VCCI V-3

### Telecom Approvals (T1/E1 NIM and CT1/E1 NIM)

USA 47 CFR Part 68; Canada CS-03; Europe TBR 12 and TBR 13 (For other approval countries, check with your Enterasys representative.)

### Other MIBs

Chassis MIB, Entity MIB, Ctdownload MIB

### Dialer

ITU-T V.25bis and V.25ter; T1/E1; ITU-T G.703, G.704, G.705, G.706, G.732, G.735, G.736, G.737, G.738, G.739, G.823, G.824, G.962, G.963, G.964; AT&T PUB 43802, 54016, 62411; ANSI/EIA-656; ANSI T1.102; ANSI T1.403; ETSI ETS 300 011, 166, 233, 324, 347

### ITU/IETF Standards Support

(A full range of standards/protocols are supported. Ask your Enterasys representative for details.)

### Enterasys Private Enterprise MIB Support

---

#### Download-MIB

Parameters for router upload/download

#### Chassis-MIB

Parameters for router hardware

#### Timed-Reset-MIB

Parameters for a countdown timer and a forced reset after expiration

#### Configuration Change MIB

Parameters for SNMP management entities to determine if and when configuration changes have occurred

#### Configuration Management MIB

Parameters for an SNMP management entity to reset the managed entity, upload and download executable images and configuration files, and identify the active executable image and configuration files

#### Syslog Client MIB

Parameters for SNMP configuration of individual network entities to generate and log diagnostic messages

#### SNMP Persistence MIB

Parameters for SNMP to save configuration changes to the startup configuration file

## Specifications

XSR Model	XSR-1805	XSR-1850
NIM Slots	2	2
Fixed 10/100 Ethernet ports	2	2
IP Routing performance	50 Kpps	60 Kpps
VPN Tunnels	50	200
VPN Throughput	100 Mbps	100 Mbps
Firewall Throughput	180 Mbps	200 Mbps
Firewall Sessions	12,500	80,000
Redundant Power Supply	No	Optional
VPN Accelerator	Embedded	Embedded
Flash Memory *	8 MB	8 MB
DRAM **	32 MB	64 MB
External Compact Flash	Yes	Yes

\* External compact flash is used to augment flash memory.

\*\* Memory upgrades available for increased limits and performance.

## Ordering Information

### Base Appliances

---

#### XSR-1805

XSR Security Router with two 10/100 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 32 MB DRAM, dedicated VPN Accelerator, Compact Flash slot and power supply (external); bundled with Enterasys Operating System (EOS) IP Routing Services

#### XSR-1850

XSR Security Router with two 10/100 Ethernet LAN interfaces, 2 NIM slots, 8 MB onboard Flash memory, 64 MB DRAM, dedicated VPN Accelerator, Compact Flash slot and power supply (internal) in a rack-mount form factor; bundled with Enterasys Operating System (EOS) IP Routing Services

### Software

---

#### XSR-18XX-VPN

VPN for the XSR 1800 Series

#### XSR-18XX-FW

Firewall for the XSR 1800 Series

#### XSR-18XX-VPN-FW

VPN and Firewall for the XSR 1800 Series

## Ordering Information

### Network Interface Modules

---

#### NIM-ADSL-AC-01

1-port ADSL network interface module (Annex AC – POTS)

#### NIM-ADSL-B-01

1-port ADSL network interface module (Annex B – ISDN)

#### NIM-ETHR-01

1-port 10/100 Ethernet network interface module

#### NIM-FIBR-01

1-port FX100 fiber network interface module

#### NIM-CT1E1/PRI-1

1-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

#### NIM-CT1E1/PRI-2

2-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

#### NIM-CT1E1/PRI-4

4-port channelized T1/E1 with support for ISDN PRI and integrated CSU/DSU

#### NIM-DIRELAY-02

Drop and Insert network interface module, provides IP PBX pass through for T1/E1 with integrated CSU/DSU

#### NIM-T1/E1-01

1-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

#### NIM-T1/E1-02

2-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

#### NIM-T1/E1-04

4-port T1/E1 network interface module, provides Clear Channel and Fractional operation with integrated CSU/DSU

#### NIM-SER-02

2-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

#### NIM-SER-04

4-port Sync/Async Serial WAN network interface module (2 Mbps per port) Note: These are not HSSI interfaces

#### NIM-BRI-ST-01

1-port ISDN Basic Rate network interface module with S/T interface (Euro version)

#### NIM-BRI-ST-02

2-port ISDN Basic Rate network interface module with S/T interface (Euro version)

#### NIM-BRI-U-01

1-port ISDN BRI with U interface

#### NIM-BRI-U-02

2-port ISDN BRI with U interface

#### NIM-T3/E3-01

1-port fractional T3/E3 network interface module with integrated CSU/DSU

## Ordering Information

### Accessories

---

#### XSR-64MB-MEM

64 MB memory upgrade for XSR-1805, expands routing, VPN and firewall limits

#### XSR-128MB-MEM

128 MB memory upgrade for XSR-1805 and 1850, expands routing, VPN and firewall limits

#### NIM-V35-CAB-04

4-port V.35 DTE serial cable for NIM-SER-xx

#### NIM-232-CAB-04

4-port RS232/EIA530 DTE serial cable for NIM-SER-xx

#### NIM-X21-CAB-04

4-port X.21 DTE serial cable for NIM-SER-xx

#### NIM-449-CAB-04

4-port EIA 449 DTE serial cable for NIM-SER-xx

#### NIM-DBU1-CAB-04

4-port combination V.35 /RS232 DTE serial cable for NIM-SER-xx

#### XSR-1805-RKMT

XSR-1805 rackmount kit

#### XSR-RPC

Optional XSR-1850 rack mount power shelf with three open slots and one power supply

#### XSR-RPOWER-1850

Additional power supplies for XSR-RPC (up to three per XSR-RPC)

#### NIM-E1-COAX-BLN

G.703 Balun with 120-ohm UTP (RJ-45F) to 75W dual-BNC cables

*\* Note: XSR 1800 Series configurations include hardware and software components. Product orders should include:*

- *The XSR-1800 base system (EOS IP Routing Services, on board flash and base DRAM, 2 10/100 LAN interfaces and 2 NIM slots)*
- *NIM cables, if needed*
- *Additional security features (VPN and Firewall) and additional memory for added VPN tunnel capacity, if needed*
- *NetSight Atlas Router Services Manager application*
- *Service contract, recommended to maintain system currency*
- *XSR series products have a license management system to allow the purchase and installation of additional software feature sets at any time.*

## Warranty

---

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

## Service and Support

---

Enterasys understands that superior service and support is a critical component of *Networks that Know*.™ The Enterasys **SupportNet Portfolio**—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain your network availability and performance.

## Additional Information

---

For more information about Enterasys XSR Security Routers, including the latest product offerings, visit the web at <http://www.enterasys.com/products/routing/xsr>

## Contact Information

---

Contact Enterasys Sales at **877-801-7082** or [enterasys.com/corporate/contact/contact-sales.html](http://www.enterasys.com/corporate/contact/contact-sales.html)

Enterasys Networks  
Corporate Headquarters  
50 Minuteman Road  
Andover, MA 01810  
U.S.A

XSR, Dragon and NetSight are trademarks or registered trademarks of Enterasys Networks. All other products or services mentioned are identified by the trademarks or service marks of their respective companies or organizations. NOTE: Enterasys Networks reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

All contents are copyright © 2004 Enterasys Networks, Inc. All rights reserved.

Lit. #9013483-1 4/04

Page 6 of 6 • Data Sheet

